

**V-30iT**

**NEW!**

## 5 AXES MACHINING CENTER

### Target Industries:

Medical industry, aerospace & defense industry on small multi-sided machine parts.



### FEATURE:

#### 1. High Rigidity:

- \* FEA Analysis
- \* High rigidity structure design
- \* Roller type guide way
- \* 3 Axis ball screw prestressing

#### 2. High Reliability:

- \* Roller type motion system
- \* 3 Axis absolute motor

#### 3. High Efficiency:

- \* High torque spindle motor
- \* Rapid feed rate 48/48/36mm
- \* Spindle speed 12000rpm
- \* Tool change time TT/CC 1.8/4 sec

#### 4. High Flexibility:

- \* 4/5 axis rotary table available
- \* Linear scale available



The rotary table is a compact dual-axis trunnion table that provides high-speed, accurate positioning for 3+2 and full 5-axis machining of small parts. Its small size and light weight make perfect 5-axis solution for even the smallest machining centers. With fix table design, provides the flexible and dual machining solution.

## SPECIFICATIONS

ITEM	MODEL	V-30iT
<b>CAPACITY</b>		
	Unit	
X axis travel	mm(in)	800(31.5)
Y axis travel	mm(in)	460(18.1)
Z axis travel	mm(in)	387(15.2)
Distance from table top to spindle end	mm(in)	100-487(3.9-19.1)
Distance from column front to spindle center	mm(in)	508(20)
<b>TRAVEL</b>		
Table size	mm(in)	170(6.7)
Permissible mass of workpiece	kg	35(0° -45° )/25(60° -90° )
T slot size		10
<b>SPINDLE</b>		
Spindle speed	rpm	12000
Spindle nose(normal size, No.)		7/24 Taper, No40
Max. spindle torque	Nm(ft-lbf)	47.7(35.1)
Transmission		Eagle NRG
<b>FEED RATE</b>		
Rapid traverse	m/min(IPM)	48/48/36(1890/1890/1417)
Feed rate	m/min(IPM)	10(394)
<b>A.T.C.</b>		
Tool shank(normal size)		BT-40
Tool storage capacity	pcs	24
<b>MOTORS</b>		
Spindle motor	kw(hp)	11(14.7)
X/Y/Z axis feed motor	kw(hp)	4(5.4)
<b>MACHINE SIZE</b>		
Height of machine (H)	mm(in)	2480(97.6)
Floor space (LXW)	mm(in)	2310x2120(91x83)
Total machine weight	kg	3800
Power requirement	KVA	25
Controller	FANUC	0i-M

### STANDARD ACCESSORIES

- Full enclosure guarding
- Work light
- Alarm lamp
- Heat exchanger
- Rigid tapping
- Auto counter for work piece
- Remote MPG
- Surrounding coolant system
- 12000 rpm spindle
- Spindle oil chiller
- Spindle air purge

### OPTIONAL ACCESSORIES

- 8000 rpm spindle
- 10000 rpm spindle
- C.T.S From A
- Linear scale
- Tool overload detection
- Auto tool length measurement
- Automatic workpiece measurement
- Simple tool life management
- Chip conveyor outside machine & chip bucket
- Oil skimmer
- Coolant gun
- Air conditioner
- Manual tailstock for rotary table
- Through hole drill kit
- DNC link software
- Programmable nozzle
- Programmable air blow
- CTS preparation
- Extra coolant tank
- Spindle annular coolant jet(Arm type ATC)
- Auto door
- Table guarding

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